CORPORATION FALCONBRIDGE COPPER

DRILL HOLE RECORD

METRIC UNITS ☒ IMPERIAL UNITS ☐ 827588

HOLE NUMBER	GRID	FIELD COORDS	LAT.	DEP.	ELEV.	COLLAR BRNG.	COLLAR DIP	HOLE SIZE	FINAL DEPTH
CM-2	CANAMERA 1985		IDEAL 10+93W	2+46N	387m	210°	-45°	NQ	193.85 m
PROJECT	CLAIM #	SURVEY ~~COORDS~~ MTS Grid				DATE STARTED: 28 MAY 1987	CONTRACTOR: F. BOISVENU		
PN 326	COPPERMINT III		28+03W	3+75S		DATE COMPLETED: 31 MAY 1987	CORE STORAGE: 6722 LAKES RD. DUNCAN	CASING: 7.32m LEFT IN/CAPPED	

PURPOSE: CM-2 TESTS A COINCIDENT STRONG CHARGABILITY HIGH/WEAK RESISTIVITY, AND THE STRATIGRAPHY ABOVE A PY ± CPY STRINGER ZONE ON SURFACE

RQD LOG ☐ COLLAR SURVEY ☐ PULSE EM SURVEY ☐ MULTISHOT SURVEY ☐

ACID TESTS				TROPARI TESTS			MULTISHOT DATA		
DEPTH (m)	CORRECTED ANGLE	DEPTH ( )	CORRECTED ANGLE	DEPTH ( )	AZIMUTH	DIP	DEPTH ( )	AZIMUTH	DIP
30.48	45°								
64.01	45-44°								
88.39	46°								
128.02	45-46°								
160.32	46°								
182.88	46°								

HOLE NO. CM-2

LOGGED BY M.J. GRAY

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
7.32 TO	AND TUFF	M-DK	VF-F	~~AND~~ WEAKLY FOLIATED		-VARIABLE W-S CHL	1-5% PY F-M GRAINED	NOTE F.-ULTRAFINE
35.95 M	±CX LITH TUFF	GREEN	MX	MASSIVE - CRUDELY LAYERED		- TR-M SEL EP	DISSEM^N + MINOR STRINGERS	TUFFS HAVE W-M
				AND CX TUFF & FINE		- VW CALC ± QTZ VEINS	AVE 2-3% PY	FOL^N DEVELOPED
			F-M CX	AND TUFF.				
				7.32 - 9.95m: F. AND CX TUFF		- W CHL	1-3% FG DISS^{ED} PY	V. BLOCKY, C LIM/
				15-20% <1mm FP PHENOS		- TR-W SEL EP		MN FRACTURE COATINGS
								LOCALLY SHEARED
				9.95 - 11.28m: F. AND TUFF		- W-M CHL	2-3% PY AS FG DISS^N	
				- MINOR F. CX TUFF,		- W CALC ± QTZ VEINS	<1% CPY LOC AS	
				M-DK GREEN			"BLEB" IN QTZ-CALC	
							VEIN.	
				11.28 - 19.71m: AND CX T	FOL'N	- VARIABLE W-M	1-5% PY AVE 2-3% PY	LITHO: BCD # 6376
				10-30% FP PHENOS	35-50°	SEL EP OF FP	11.28 - 16.20m: 1-2% DISS PY	13.00 - 16.00m
				<1-2mm AVE 1mm.		- W-M CHL	16.20 - 17.20m: 2-3% DISS PY	
				CX RICH LAYERS CRUDELY	LAYERING	ie) 11.28 - 13.50 W CHL^2	17.20 - 18.60 m: 3-5% D, STR PY	
				DEFINED IN CONTRAST WITH	? 45° ?	13.50 - 18.00 W-M CHL^2	18.00 - 19.71m: 2-3% DISS^{ED} PY	
				MINOR ASH LAYERS		18.00 - 19.71 W CHL^2		APPARENT LAYERING POSS A PRODUCT
							NOTE @ 18.82 3X 3mm THICK	OF EP ALTN.
							QTZ-PY STR C/A 50°	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
(7.32 To				19.71-20.56 m: F. AND		- w/w-m CHL^{Z}	2-5% PY AS DISSEM^{N}	
35.95m)				TUFF, MASSIVE, W FOL^{N}		- w CALC ± QTZ	& 1-2mm THICK QTZ-PY	
						1-2mm THICK VEINS	STR.	
							ie) 19.90 - 2mm C/A 60°	
							20.00 - 2mm C/A 55	
							20.10 - 1mm C/A 55°	
							20.32 - 1mm C/A 55°	
				20.56-21.61m: F. AND		- w CHL^{Z}	↷	
				CX TUFF.		- TR^{SEL} EP	2-3% DISS^{ED} PY	
				10-20% <1-1mm FP PHENOS		- w CALC ± QTZ VEINS		
				21.61-23.16m: F AND TUFF.	FOL^{N}	- m/m-w CHL^{Z}	2-5% FG DISS, STR	
					~45°	- w CALC ± QTZ 2mm THICK	PY	
						VEINS	ie) 21.64; 1mm, C/A 30°	
							22.11; 1mm, C/A 45°	
							23.16; 1mm, C/A 35°	
				23.16-24.25m: F AND		- m-w CHL	2-3% PY AS FG. DISSEM^{N}	
				CX TUFF, MASSIVE		- VW CALC		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
(7.32 TO				24.25–24.77m : F. AND	FOL'N	W-M CHL	2-5% PY AS DISS^{N}	
35.95m)				T./F. CX TUFF	35°		+ 1-2mm QTZ-PY STR^{S}.	
					(30–40)		ie) 24.57m – 2mm C/A 35-40°	
				24.77–26.10 : FINE AND.		-M-S CHL	2-3% DISS^{ED} +	
				CX TUFF. , MED GREEN		-VW SEL EP	BLEB PY FG	
				20-25% FP , < 1mm		-LOC 1cm THICK		
						QTZ VEINS		LITHO: BCD # 6377
								39.00 – 32.00m
				26.10–34.45: F. AND	FOL'N 25°	-VARIABLE M-S CHL	3-5% PY DISS, BLEBS + STR	BLOCKY GROUND TH-O
				ASH TUFF, M-DK GREEN	(10–45)	ie) 26.10–26.82; M/M-S CHL	LOCALLY 15-20% PY IN	INTERVAL.
				(NOTE SHEARED SECTION @		26.82–32.00; S/M-S CHL	STR. ↓LOCALLY SEE BLEBS OF CPY STR ARE TYPICALLY	NOTE DK GREEN-BLK
				28.35 – 28.65), M GREEN.	LAYERING	32.00–32.50; M CHL	ie) QTZ-PY±CPY VEINS ± DISS PY OR PATCHY PY	CHL IN SHEARED
				MASSIVE, LOCALLY POORLY	? 40° ?	32.50–34.45; S-M CHL	29.78; 1-2mm QTZ-PY C/A 10°	SECTIONS.
				LAM^{ED} VF TUFF.		-LOC W-TR SEL EP	31.04; 1mm PY-QTZ C/A 45°	NOTE PY BLEBS OVAL
						+ W BLEACHED	31.75; 10mm QTZ-EP-PY C/A 20-30	SHAPE 2-5mm LONG.
							33.72; 2mm PY-CPY-QTZ C/A 30-35°	ASSAY BCD# 6358 15% PY
							33.79; 2-4mm PY-QTZ-CPY C/A 45° -EP	31.62 – 31.75m .25% Cu
							34.15; 5-6mm QTZ-PY-CPY C/A 60°	ASSAY BCD # 6359
								33.58 – 33.83m 8% PY
								.25% Cu
								LITHO: BCD # 6378
								32.00–35.00m

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				34.45-35.51 m: DK GREEN	FOL^N	± / m-s CHL	2-5% PY AS DISS,	~~APHYRO~~
				AND CX TUFF, w FOL^N,	20°	+ TR - w EP (SEL)	BLEBS + LOC STR. TR CPY	
				5-25% FP PHENOS <1-1mm		- TR PATCHY EP. (1%)	ie) 35.16; 2mm, C/A 30°	
							~~35.50~~; 3mm QTZ-PY 3mm QTZ-PY C/A 80°	
							34.95; QTZ-PY-EP-CPY (5%)	
							IRREG VEIN.	
				35.51-35.95: F AND TUFF	LAYERING?	- m-s CHL	5-8% DISS PY	
				w-m FOLIATED	?20°?			
35.95 TO	DAC/~~RHYODAC~~	M-LT	VF-MX	WEAKLY FOLIATED, MASSIVE	BOT CTC.	- m-w SER^Z	3-8% DISS^{ED} FG PY	- ~~RHYODAC~~ DAC "GRADES" TO
37.13 m	~~AND~~ F.	GREY	F-CX	- POSSIBLY CRUDELY LAYERED	40°	- w SEL EP TOWARD		DAC - AND AS NOTED BY
	QTZ EYE -	& GREEN		QTZ-FP PHYRIC F CX T.		END OF INTERVAL		COLOR CHANGE, LOSS OF
	FP CX~~WK~~ T.	TINGE		5-10% <1-1mm SUBA QTZ EYES	FOL^N	± LOCAL SILICIF^N (?)		QTZ EYES AND FIRST SIGN
				5-15% <1mm FP PHENOS	35-45°	(36.55-37.00 m)		OF EP ALT^N.
								- POSS BX 36.55 - 37.00 m
								LITHO: RCD# 6379 36.00-37.00 m
37.13 TO	AND CX T	M-DK	VF-MX	VW-W FOLIATED MASSIVE	BOT CTC	- VARIABLE W-S CHL	2-10% PY MAINLY AS	
51.00 m	/ F TUFFS	GREEN	F-M. CX	- POORLY LAYERED AND CX T.		- W-M SEL EP, W-M	DISSEM; ALSO AS NARROW	
		LOC PALE				PATCHY EP (15%)	STRINGERS.	
		GREEN			FOL^N			
				37.13-42.83 m: F AND	30-40°	- m/m-s CHL	2-5% PY AVE, LOC 5-10%	
				CX T. WITH MINOR AND T.	LAYERING ?70°?	- W-M SEL EP - W < 10% PATCHY EP (UP TO 10X10 CM BALLS)	PY AS DBS + MINOR STR ie) 37.85; 4mm, QTZ-PY, C/A 70° 38.25; 2mm, PY-QTZ, C/A 45°	

POORLY LAYERED

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				42.83-51.00: AND F. TUFF		-VARIABLE W-S CHL	2-8% PY AS DISS +	
				+ F. CX TUFF, W-M		ie) 42.83-44.60 m; M-S CHL	LOC STR ± QTZ ± TR CPY	
				FOLIATED, LOCALLY POORLY		44.60-49.00; M-W CHL	ie) 42.83-44.20: 2-3% PY	
				LAMINATED. NOTE FP-RICH		49.00-49.40; M-S CHL	44.20-47.55: 5% PY, D+STR	
				BEDS 5-25% FP 2-40cm THICK		49.40-51.00; M-W CHL	47.55-49.40: 5-8% PY	
				ACCENTUATED BY SAUSZN.			49.40-51.00: 3-5% PY, TR CPY	
						- LOCAL VW PATCHY EP	STRINGERS ARE QTZ-	
						(<5%, 1cm SIZE)	PY ± CPY ± CHL	
						ie) 42.83-44.20	ie) 46.65; 4mm, QTZ+PY C/A 10°	
						- T-VW SEL EP TH-O	46.85: 4mm, QTZ+CHL+PY	
						- W 5-15mm QTZ VEINS	C/A 10°	
							47.70: 1-2mm, PY C/A 45°	
51.00 TO 53.42 M	AND F. TUFF STRINGER ZONE	MED-LT GREY/GREEN TO M/DK GREEN	VF-F	WEAKLY FOLIATED, MASSIVE F AND TUFFS + MINOR CX T.	BOT CTC 45-50°	- VARIABLE W-S CHL ± SER + W QTZ VEINS	3-15% PY AS DISS + STR	DEFINED AS PY ± CPY STRINGER ZONE DUE TO INCREASE IN DENSITY OF QTZ-PY VEINS + INCREASE IN SULPHIDE CONTE OVERALL, ALTHOUGH CHL ALTN NOT AS STRONG IN THIS INTERVAL AS ELSEWHERE IN HOLE
				51.00-53.42 m: AND-DAC F	FOL^N	- M-W CHL ± SER	3-5% PY FG MAINLY	
				CX T/TUFF, M-LT GREEN	45°	- WEAKLY BLEACHED (?)	AS STRINGERS (QTZ-	
				- GREY. BECOMES DARKER			CHL-PY ± CPY)	
				GREEN TOWARD END OF			ie) 51.00; 1mm QTZ-PY, C/A-	
				INTERVAL.			51.60; 3mm PY-QTZ, C/A 50	
							51.70; 3mm PY-QTZ C/A 45	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				53.42-54.82m: M-S	BOT CTC	- M CHL^2 ± SER	3-15% PY F-M GRAINED.	BOT CTC IS SHEARED,
				FOLIATED / SHEARED AND T.	55°		PY 3-5% AS DISSEM^N TH-O	LAST 10-15CM PSEUDOGOUGE
					(SHEAR)	- W-M QTZ-PY ± CPY	LOCALLY 8-15% PY ±	
						VEINS, GREY-WHITE	QTZ ± CPY (<1%) AS STR.	GEOCHEM BCD# 6360 53.70-54.30
						2mm - 10cm THICK	ie) 53.70-53.85m; 10cm, QTZ-PY-CPY C/A 65°	LITHO: BCD# 6380
							54.00-54.10m; 10cm QTZ-PY-CPY BRECCIATED C/A 70°	51.00-54.00
54.82 TO	RHYOLAC	LT-MED	VF-APH MX		FOL'N	VW SER^2	3-5% FG. DISS^{ED} PY	LITHO: BCD# 6381
58.90 m	F ✓ QTZ EYE CX T.	GREY-	F-CX	VW-WEAKLY FOLIATED,	245°		TH-O	54.90-58.60
	(POSS FLOW?)	GREEN		MASSIVE QTZ-FP PHYRIC				
				F. CX T. (OR POSS FLOW?)	BOT CTC			
					~40°			
				5-8% <1-1mm ROUND QTZ EYES	(SHARP)			
				WITH MINOR VARIATIONS IN				
				CONTENT (%) TH-O.				
				3-5% <1mm FP PHENOS				
58.90 TO	AND F-M	M-DK	F-M	WEAKLY FOLIATED, REL MASSIVE	FOL'N	-W-S CHL^2 VARIABLE	2-8% PY AS FG DISSEM^{NS},	
65.55 M 10.00	T ± F	GREEN		(HOMOGENEOUS) SECTION OF AND.	50°	ie) 58.90-60.20; M-W CHL	BLEBS, AND MINOR STRINGERS	
	CX T.			ASHES + F. CX TUFFS	(40-55°	60.20-61.40; M-S CHL	✓ CPY <1% AS DISSEM^N + BLEBS	
						61.40-65.55; W/W-M CHL	TH-O.	

ie) 58.90-61.00 5-8% PY, TR CPY BLEBS, D, MINOR STR C/A 50°

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
(58.90 TO						W - TR - W SEL EP²	i.e) 61.00 - 63.60; 2-5% PY, TR CPY	
65.55 M						(LOCALLY 61.00 - 63.55 m)	MAINLY AS DISSEM^N, LOCAL	
CONTD)							STR 2cm @ 62.80 QTZ-PY c/A 80°	
						- VW QTZ 2mm - 2cm VEINS	63.60 - 64.20; 5-8% DISS PY	
							NOTE 4mm PY - QTZ - CHL STR	
							c/A 45°	
							64.20 - 65.55; 2-3% DISS PY	
65.55 TO					TOP CTC			
					45°			
					SHARP			
	SILICEOUS TUFF				A			
70.00 TO	SILICEOUS	V LT GREY	APH-	VW FOLIATED LOCALLY, MASSIVE	FOL^N	- TR SER	2-5% PY AS DISSEM	NOTE BOT CTC IS
72.00 M	EXHALITE(?)	- WHITE	VF IX	TO CRUDELY LAMINATED.		- LOC W-M SEL EP² OF FP	+ MINOR NARROW 1mm	GRADATIONAL/TRANSITIONAL
	/SILICEOUS			SILICEOUS EXHALITE(?) WITH		- M QTZ VEINS 2-10mm	STR (C/A 65-80°),	TO AND CX TUFFS
	FELSIC T.		F CX	LOC FP <1-1mm UP TO 10%	LAYERING	PSEUDO STWK, LT GREY	LOC <1% CPY (70.10m)	LITHO: BCD # 6382
	(QTZ-EYE			IN INDIVIDUAL BANDS (BEDS)	? 60-70?	IRREG. VEINS		70.10 - 71.80m
				LOC QTZ EYES <<1mm ~3%	BOT CTC ~70°?			

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
72.00 TO	AND	DK-M	VF-F MX	VW-W FOLIATED AND CX T	TOP CTC	- VARIABLE VW-S CHL	RANGES 2-8% F-MG	
90.65 M	CX T. &	GREEN	F-M CX	± MINOR F. AND. TUFF.	~60°	+ VARIABLE T-S SEL EP²	PY, ± TRACES OF CPY AS	
	F. TUFF			CRUDE LAYERING POSS DEFINED		OF FP CX	DISS^NS, BLEBS AND MINOR	
				BY FP CX RICH BEDS (?)	~~LAYERING~~	- LOC. VW-M PATCHY EP	STR.	
						- LOC. W QTZ VEINS		
				72.00 - 78.35m: DK GREEN	FOL'N	- VW-W CHL² TH-O,	3-8% PY, AVE 5% PY	NOTE POSS EP²
				AND CX T., C MINOR F	45°	LOC W-M CHL IN F. TUFF	MAINLY AS DISSEM^NS,	FP PHYRIC 2x5cm FRAG?
				AND T. LAYERS (<20cm)	(40-65°)	- W-M SEL EP² OF FP	ALSO WITH QTZ VEINS	
				FP <1 - <2mm, 5-20%, NOTE	? LAYERING?	LOC S OVER NARROW (20cm)	± <1% CPY BLEBS	NOTE CHL IN STR^S IS
				VARIABLE FP PHENO CONTENT	? 50°?	SECTIONS	ie) 74.95; 1cm, CHL+PY±QTZ, C/A 35°	BLK.
				CRUDELY DEFINED BEDS, AND		- W QTZ± PY VEINS AS	75.25; 2cm, CHL+ PY, C/A 45°	GEOCHEM BCL# 6361
				ARE ACCENTUATED BY ALT^N.		IRREG VEINS	75.35; 2cm, QTZ-CHL-PY-CPY(2%)	75.33 - 75.48m
						- LOC VW-W PATCHY EP	C/A 20-25°	
						1x1cm BALLS (74.55-74.80) <5%		
				78.35 - 79.40 m: F AND T.,		- W CHL	3-5% DISS PY,	
				MINOR FP PHENOS (IN LAYERS?)		- T-VW EP	LOC QTZ-CHL-PY STR	
						- W-M QTZ VEINS	1cm, C/A 45°	
						AVE 5mm THICK		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				79.40-83.55m: AND CX T		- W CHL² OVERALL	1-5% PY MAINLY AS FG	
				± MINOR F. TUFF BANDS.		- LOC W PATCHY EP	DISSN + 1-2mm BLEBS, LOC	
				VW FOLN,		81.40-82.40 ~5%, UP TO 5X5cm	STR. + TR CPY	
						EP-QTZ BALLS	ie) 79.40-80.20: 3-5% D. PY	
						- 5-M SEL EP TH-O	80.20-82.40: 1-3% D + BLEBBY PY	
						- LOC W-MI m-s 3mm THICK	82.40-83.55: 3-5% D + BLEB + STR	
						QTZ VEINS	(QTZ-PY c/A 45°)	
						(m-s @ 79.80-80.10m)		
				83.55-84.90m: VW FOL AND F.	BOTCTC	- m/m-s CHL²	5-8% PY AS F-G GRAINED	
				TUFF ± MINOR F CX T.	± CX T.	- VW-W EP	DISSEMN + COARSE BLEBS	
				LAYERS.	~80°		TR CPY DISS LOCALLY	
				84.90-86.50: VW FOLIATED	BOT LAYER	- VW-W CHL²	2-3% DISS PY, MINOR	CX T. RAPIDLY GRADES
				"BED" OF AND FP CX T.	CTC	- S SEL EP² OF FP	IRREG BLEBS OF CPY	TO F TUFF / F CX TUFF
				15-20% FP <1-2mm AVE 1mm	? 75° ?	- W-M PATCHY EP 10% UP TO 8X6cm BALLS	≤5% OVER 30cm	
						- LOC IRREG 1-10mm		
						QTZ ± CALC VEINS.		
				86.50-89.90m: INTERLAYERED	FOLN	- m-s CHL ± SER.	3-8% PY, AVE 3-5% F-M	LITHO BCD #: 6383
				F. AND ± AND-DAC T. & F CX T.	40-60	- VW-W SEL EP.	GRAINED PY, ALSO BLEBS	86.50-89.50m
				& MINOR T. ± LAPILLI	LAYERING	- W-M 2mm-5cm QTZ	AND DISS PY IN QTZ	
				FRAGS.	? 55 ?	VEINS, LOCALLY BOUNDINED & BROKEN UP ALONG THE FOLIATION	VEINS (STR) c/A 55°	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				(86.50 - 89.90 m CONT'D)				NOTE POSS CX T.
				INTERLAYERED CX T.				FRAGS IN F. AND
				LAYERS AVE 3-4 cm THICK.				TUFF
				AT 87.90 - 88.40 m: POSS				
				LAPILLI FRAGS (5%) 2-4 mm				
				FELSIC? IN NARROW BANDS,				
				NOTE REVDD QTZ EYES IN				
				THIS SECTION DEVELOPED DUE TO				
				ROUNDAGE OF QTZ VEINS				
				89.90 - 90.34 m: AND CX T.	LAYERING	- W CHL	2% DISS FG PY	
				"BED", 10-20% FP <1 - <2 mm	? 40-45°?	- m-s SEL EP		
				90.34 - 90.65 m: F AND CX T		- w-m CHL	5-8% PY AS DISS +	
				5-10% <1 mm FP		- vw EP - SEL.	BLEBS, ALSO 1	
						- w-m QTZ VEINS	STR AT LOWER	
							CTC QTZ-CHL-PY	
							5 mm, C/A 50°, DISCONT.	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
90.65 TO	DAC/DAC-	LT-m.	F-VF	w/ w-m FOLIATED DAC	FOL^N	- w SER^2, TR CHL	3-5% DISS PY	
91.00 M	AND F	GREY		TUFF ē. 2-3% <1mm	55°	- LARGE MILKY WH.		
	TUFF			QTz EYES (?)		QTZ VEIN @ C/A 60°		
						90.80 - 90.95m		
91.00 -	AND T. &	M-DK	F-M	W-M^S FOLIATED, CRUDELY	FOL^N	- VARIABLE VW-S CHL		
113.40 M	AND CX T.	GREEN		LAYERED/INTERLAYERED AND	65°	- VARIABLE VW-S EP		
				T. & CX TUFFS.		- [redacted] LOC QTz VEINS		
				91.00 - 93.70m: F AND T.		- W CHL, BUT S	3-12% PY AS DISS +	GEOCHEM: BCD# 6362
				ē MINOR 2-4 cm CX T.		ADJACENT TO QTZ-PY	STRINGERS, AVE 5%	91.75 - 91.95m
				LAYERS.		± CPY STRINGERS	DISS PY. STRINGERS @	
							ie) 91.10; 25mm QTz-PY-CHL, C/A 80	
							91.15; 15mm QTz-PY-CHL, C/A 80	
							91.60, 12cm QTz-PY-EP-CHL, C/A 40	
							93.10, 1cm PY-CHL, C/A 60	
							93.40, 25cm QTZ-PY-CHL-EP, C/A 45°	
				93.70 - 94.20m: AND CX T.		- VW CHL	3-5% PY AS F-M GRAINS	
				"BED" 10-20% FP PHENOS		- M-S SEL EP	+ BLEBS DISSEM.	
				<1-2mm.		- TR PATCHY EP		

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TRANSITION ROCKS

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				94.20-94.75m: F AND. T.	FOL^N	-m-s CHL	5-8% PY F-C GRAINED	
				É MINOR F CX T.	55°	- W BLEACHED	DISSEM SUBHEDRAL GRAINS	
				94.75-97.40m: AND CX T.	FOL^N	-VW-W CHL	2-5% DISS PY	
				É MINOR F. TUFF BANDS.		- S SEL EP		
				VARIABLE 5-20% <1-2mm FP	?LAYERING?	- LOC M PATCHY (20%)		
					55°	EP @ 96.90-97.20m		
				97.40-98.30m: AND F CX		- VW CHL	5-8% DISS PY	
				T. 5% <1mm FP		- TR-W SEL EP		
				PHENOS. LOCALLY SHEARED.				
				98.30-100.40m: AND CX T.		- VW CHL	2-5% DISS FG PY	
				SIM TO ABOVE. VW FOLIATED		- W-M LOC S SEL EP		
				100.40-103.25m: AND COARSE		- W-M CHL, LOC M-S CHL	5-8% FG PY AS	
				TUFF / F. CX T.,		OVER 50 cm	BLEBS + DISS^N +	
				VW FOLIATED É MINOR CX T.		- T-W SEL EP, LOC	LOC PY-CHL ± QTZ STR.	
				BANDS (5cm)		M-S EP IN CX T.	i.e) 101.50, 2mm CHL-PY, c/a 40°	
						BEDS / BANDS		
						- VARIABLE W-S		
						QTZ VEINS 1-3mm.		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				103.25-103.75m : V W	? LAYERING?	- VW CHL	2-3% DISS PY	
				FOLIATED F. AND CX	CTC?	- W SEL EP		
				CHARGED TUFF "BED"	? 85°?			
				20-30% 1mm FP CX, 5% MAFIC				
				CX? POSS DIORITE???				
				103.75-105.75: VW FOLIATED AND		- W CHL ± SER	- 3-8% DISS PY	
				F. CX T., MINOR CX T.		- W-M SEL EP, LOC S.		
				105.75-108.10m : W-M FOL	FOL^N	- W / W-M CHL LOC	# 5-8% FG DISS PY,	NOTE MAGNETITE IN
				F. AND A3H TUFF, ć	55-60	S CHL	LOC STR 1mm C/A 60°	QTZ VEIN
				MINOR F. CX TUFF.		- LOC VW-W SEL EP		
						- LOC W-M QTZ VEINS		
						1-10mm THICK ± PY,		
						CHL ± MAG		
				109.10-109.90m: AND CX		- VW-W CHL	2-3% FG DISS PY	
				T. SIM TO ABOVE CX		- M SEL EP		
				TUFFS.				
				109.90-113.40: W FOL, LOC		- W-M CHL	5-8% PY AS FG-MG	LITHO: BCD # 6384
				SHEAR F. AND CX T &		- TR-W EP	DISS + LOC STR C/A 35°	110.00-113.00m
				F TUFFS				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
113.40 TO	FAULT ZONE	M- LT	F	FAULT ZONE MOSTLY IN	SHEARS –	VARIABLE W-M CHL± SER	2-8% PY AS DISSEM^N	
120.50 M	(IN AND	GREEN		AND T. / CX TUFFS,	35-65° –	VW-W EP LOC	+ SEAMS / STRINGERS	
	TUFFS +			INCLUDES ↓ NARROW SECTIONS OF GOUGE,		+ LOCALLY M BLEACHED		
	CX TUFFS)			V. BLOCKY FRACTURED CORE,	INTERNAL SHEAR	SECTIONS	PY CONTENT 5-8%	
				AND S SHEARED TUFF.	55-60°	– W-M QTZ 3mm-3cm	PROXIMAL TO QTZ VEINS	
						VEINS	& STRONGLY SHEARED /	
				NOTE INTERNAL SHEAR FAULT	BOT CTC		GOUGE SECTIONS.	
				PLANES ie) 119.20 MUD-SHEAR	45°			
				3mm.	SHEAR			
				113.40 – 119.20 : F AND T /				
				F CX TUFF, BLEACHED &				
				SHEARED				
				119.20-120.50 AND CX TUFF		- m-s SEL EP		
				20% 1mm - <2mm FP		- W CHL		
				CX				
120.50 TO	AND F.	M. GREEN	VF MX	MASSIVE-WEAKLY FOLIATED	BOT CTC	– W CHL^2	3-8% PY AS DISS +	NOTE EP BALLS ARE
122.40 m	TUFF &	- GREY	F CX	AND TUFFS & MINOR	55°	– VW-W (<2% 5%) 3x3cm PATCHY	BLEBS, PY DISTICTLY	EP-QTZ-PY & ROUND.
	F. CX TUFF			INTERLAYERED F. CX T.	REL SHARP	EP	ASSOC & EP PATCHY	
				LAYERING BASED ON F. CX T.		- VW SEL EP^2 LOC.	ALTERATION.	
				LAYERS.	LAYERING	- m-s CALC FLOOD		
					? 55° ?	NEAR (20cm) BOT CTC		
						– W BLEACHED		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
122.40 TO	DIORITE FP Ø	MED-	F-GM	MASSIVE - STRONGLY	BOT CTC	- VW CHL	TR - 3% DISS PY	5% DISS OX PUR HEM
123.60 M	DYKE	GRASS	F-M	SHEARED ↑ DIORITE.	75° SHARP	- M - I CALC FLOOD		GRAINS
		GREEN	PHENOS	FP PORPH.	GRADITIC			
		& DK		122.40 - 123.00 : MED GREEN		- M CALC FLOOD	TR PY	NOTE 5cm CHILLED
		GREEN + WH.		FP (5%; 1-2 mm) Ø DIORITE		- VW CHL/EP		MARGIN
				123.00 - 123.60 : S SHEARED	SHEAR ~	- S-I CALC FLOOD	2-3% DISS PY	
				DIOR. PSEUDO-BX.	30°?	- W CHL/EP		
						- W CALC + QTZ VEINS		
123.60 TO	AND F. CX	M GREEN	VF-F MX	VW FOLIATED, POSS	BOT CTC	- VW CHL	3-5% DISS + BLEBBY	
124.90 M	TUFF	- GREY	F CX	CRUDELY LAYERED (?),	75°	- VW-W SEL EP	F - MG PY	
				WEAKLY BLEACHED	REL SHARP	- DISS QTZ GRAINS		
					FOL^N	POSS MOTTLED SEL		
					~ 45°	SILICIF^N?		
124.90 TO	FP Ø DIORITE	MED	F GM	MASSIVE - INTENSELY	BOT CTC	- VW CHL	NVS - 2% PY (IN SHEARED	1-5% DISS HEM TH-O
140.15 M	& SHEARED	GRASS	F-C	SHEARED FP Ø DIORITE.		- VW-W EP SEL ON	DIOR.)	& AS ↑ REDDISH FRAC COATINGS
	DIORITE	GREEN +	PHENOS	FP PHENOS ARE LOCALLY		PHENOS + AS WISPY STR.		OF FP Ø DIORITE
		WH.		GLOMEROPHYRIC, AVE 10% 2-4mm		- VARIABLE M - I CALC		
		& DK		SUBHEDRAL - EUH., PALE GREEN		VEINS / FLOODS		
		GREEN +		COLOUR. APROX 25% FP <1 mm				
		WH.		IN GM.				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
(124.90				SHEARED DIOR IS F.G.				
140.15				AND FLOODED C IRREG				
CONT)				CALC INDISTINCT VEINS. "PSEUDOBX TEX.				
				124.90 – 125.00: CHILLED				
				MARGIN, W BLEACHED				
				125.00 – 130.10: FP Ø	BOT CTC			LITHO BCD # 6385
				DIORITE. NOTE HEM ONLY	30°			125.00 – 128.00 m
				UP TO 126.00 M				
				130.10 – 131.60: SHEARED	SHEAR	I CALC FLOOD		
				DIORITE	30°	PSEUDO-BX		
				131.60 – 132.20: QTZ VEINS	VEIN	QTZ VEIN	NOTE <1% CPY AS LARGE	
				& INTERVEIN SHEARED DIOR	30-80°		PATCHES / BLEBS	
				132.20 – 137.80: SHEARED DIOR	SHEAR	I CALC FLOOD		
				/ PSEUDOBX.	20–30°			
				137.80 – 138.20: FP Ø DIOR	TOP CTC			
					~ 35°			
				138.20 – 138.60: F.G. DIORITE			2-3% PY ALONG	
				LT GRASS GREEN DYKE?			FRACTURES	
				138.60 – 139.70: FP Ø DIOR	BOT CTC			HEM FRAC COATINGS
				BOT CTC TRANSITIONAL TO SHEARED	~ 60°?			THIS SECTION
				DIOR				
				139.70 – 140.15: SHEARED DIOR OR		S-I CALC FLOOD	3% DISS PY	
				POSS SHEARED AND TUFF (?)				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
140.15 To	AND CX	M-DK	VF-F	VW-W FOLIATED, MASSIVE	BOT CTC	VW-W CHL	5-8% PY	Poss AND-DAC
143.44	T & F.	GREEN	MX	LOCALLY CRUDELY LAYERED	40°	NIL	AS DISS^{N}, LOCALLY AS	LOCALLY
	TUFFS.		F-C CX	AND CX TUFF, F. TUFF &	TOP CTC.	SEL EP	STR & BLEBS.	
				F CX TUFFS. SIM TO	?	LOCAL W PATCHY		
				ABOVE ANDESITES.	FOL^{N}	EP ie) 143.00-143.[illegible] m	ie) 141.75; 20mm, 50% PY, 2% CPY	
					~40°		48% CHL, C/A 40°	
							141.35; 4mm, PY-CHL±CPY C/A 10°	
143.44 To	DIORITE	M	F	EQUIGRANULAR, W EARLY SHEARED	BOT CTC	-TR CHL	TR-2% DISS PY,	
145.80 M	F. GRAINED	GREEN		DIORITE. HAS CALCITE	20°	-M-S CALC VEINS &	ALSO NOTE EP-QTZ	
				FLOODED / DISSEM^{ED} TH-O		DISSEM^{N} TH-O	-PY VEINLET (2mm)	
							@ 145.00 m.	
145.80 To	AND CX	M-DK	VF-F	VW-W FOLIATED, MASSIVE	FOL^{N}	-TR- CHL	1-8% PY AS DISS^{N},	
168.08 M	T & FINE	GREEN	MX	-CRUDELY LAYERED AND	40-45	-NIL-S SEL EP	LOCALLY AS STR + BLEBS	
	TUFFS	± GREY	F-C CX	CX T & F. TUFF	(35-70)	± LOC SILICIFIED (?) LOC VW-W (2-5%) PAT EP, ±ASSOC BLEACHING		
				SIM TO ABOVE.				
				145.80-148.40m: F-M	40-45	-TR-VW CHL	VARIABLE TR-5% DISS PY	NOTE MOTTLED APPEARANCE
				AND CX TUFFS, MASSIVE		-W SEP EP	AVE 2-3% PY	POSS LOCALLY SILICIFIED
						-LOC VW PATCHY EP		
				148.40-149.25m: F.	60-70°	-W CHL	3% DISS F.G. PY	
				AND TUFF, W FOLIATED				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				149.25–152.75m: FINE AND ~~DAC~~ FOLN		VW–W CHL	3-8% PY AS F-MG DISSN	LITHO: BCD# 6386
				CX TUFF; F. TUFF W FOLIATED	45-60	– VW–W SEL EP	AVE 3-5%	149.50–152.50m
				5-15% <1mm FP PHENOS		– LOC VW PATCHY EP		
						VP TO 2x2 cm BALLS		
						– LOC W 2cm QTZ-EP±PY		
						VEINS		
				152.75–153.25m: F. TUFF ±		– T–W CHL	8% DISS F-MG	
				F. CX TUFF, W FOLIATED,		– T–VW SEL EP	PY ALSO PY AS	
				SUBTLE DIVISION		– LOC QTZ–PY±EP	BLEBS & QTZ VEINS	
						VEINS (3cm)		
				153.25–160.87m: VW FOLIATED	45°	– VW–W CHL	2-8% DISS F-M G.PY	
				F. CX TUFF. 10–15%		– VW–LOC MOD SEL	AVE 3-5%. LOCAL	
				<1mm FP PHENOS. REL		EP.	BLEBBY PY.	
				HOMOGENEOUS LOOKING.		– LOC M PATCHY EP		
						VP TO 4X4 cm BALLS		
						POSS REPLACE FRAGS (?)		
						ie) 155.68–156.08m.		
						158.00–159.20m		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				160.87–162.70: AND F. CX T,	FOL^N	- W-VW CHL^Z	3-5% FG PY AS	
				VW FOLIATED, SIM TO PREVIOUS	45-30°	- W SEL EP	DISS^N & AS BLEBS	
				F. CX. TUFFS:		- W PATCHY EP (5-10%),	WITHIN EP BALLS	
				10-20% < 1mm FP PHENOS		ROUND <1x1 TO 4x4cm		
						EP-QTZ-PY BALLS		
				162.70–164.50m: F AND	LAYERING	- VW-W CHL^Z	- 2-5% PY AS FG	NOTE LOCAL CRENULATION
				TUFF INTERLAYERED & F.	75°	- VW SEL EP	DISS^{N}S. UP TO	FABRIC
				CX TUFFS. VW FOLIATED,		- W PATCHY (10%) EP	1x3 cm LENSES/BALLS	
				POORLY LAMINATED/LAYERED			APPEAR CONTROLLED	
							SOMEWHAT BY LAYERING	
				164.50–165.20m: LT-DK	LAYERING	- W-M CHL	5-15% PY AS BLEBS OR	NOTE PY CONC. IN
				GREEN AND TUFF &	?70?	- W-M SEL EP	FRAGMENTS (?), <1x1 cm ALSO POSS.	LAYERS? OR POSS
				15% CAPPLY SIZE SUBANG		- W-M PATCHY (15-20%)	AS SHEARED STRINGERS	SHEARED OUT STRINGERS
				ROUND AND BLEACHED		EP AVE 1x1 cm BALLS		
				FRAGMENTS. POSS. A				
				TECTONIC BX.				
				MX IS F. TUFF &				
				F. CX. TUFF.				
				NOTE CRUDE LAYERING.				
				VW FOLIATED				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				165.20–168.08 m: HETEROGENEOUS	TOP CTC /	– w/w-m CHL	3-8% PY AS F-MG	NOTE BLK CHL AS ENVELOPES
				LOOKING SECTION OF F-M	LAYERING	– w-m SEL EP	DISSEM^N + STR. LOC TR CPY	ON PY ± CPY STRINGERS
				↓ AND. CX TUFFS & MINOR F.	60°	– LOCAL vw-w PATCHY	ie) 165.20–166.42 ; 3-5% DISS PY	
				AND. TUFF		(5%) UP TO 2x5 cm BALLS	166.42–167.20 ; 5% PY, 8mm PY-QTZ-EP	NOTE POSSIBLE GRADING
							STR, C/A 45°	@ 165.40 VF CX T.
							167.20–168.08 8% PY AS	FINES UP HOLE.
							DISS + STR ; 3mm DISCON	
							PY–CPY STR C/A 15°	
168.08 To	DAC. TUFF	LT GREY	VF-F	VW FOLIATED, MASSIVE	TOP CTC	– TR SER^2	3-8% PY, AVE 5-8%	LITHO. BCD # 6387
173.20 M	– RHYODAC		MX	FINE DAC–RHYODAC ASH TUFF, APHYRIC–	? 40°?	– SILICIFIED TH-O (?),	AS FG DISS PY & STR	169.00–172.00 m
			F CX	LOC 2% QTZ <1mm EYES.	BOT CTC	NOTE MOTTLED – SUGARY	NOTE STR @	
				ALSO LOCALLY 2-5% APPARENT	50°	LOOK, ABS 2-3mm VAGE	168.20; 1mm, PY, C/A 20°	
				FP, CONSPICUOUS DVE TO EP		QTZ VEINLETS IN TH-O	169.40; 1mm, DISCON PY, C/A 40-70°	
				ALTERATION.	FOL^N	– LOCALLY W SEL EP	170.20; 3cm, PY-QTZ-EP C/A 75°	
					?	– W BLEACHED	172.70; 1mm, PY, C/A 70°	
							172.90; 2mm, PY, C/A 60°	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
173.20 TO	AND F. TUFF,	M-DK	VF MX	VW-M FOLIATED, POORLY	TOP CTC	- VW-S CHL	3-10% PY AS STR, DISS^N	
187.00 M	MINOR CX	GREEN	F LOC	LAYERED AND TUFF &	& LAYERING	- TR-W SEL EP	WW & LOCALLY AS BLEBS	
	TUFF		M CX	MINOR CX TUFFS.	50°	- VW - LOC STRONG	AVE 5-8% PY	
						PATCHY EP		
						- LOC M QTZ VEINS ASSOC		
						& EP ALTN		
				173.20 + 175.00 m: F AND	LAYERING	- W-M CHL^Z	5-8% PY AS STR	NOTE SILICEOUS & TUFF
				TUFF, POORLY LAMINATED	50-60°	- TR SEL EP	± QTZ, AND F.G	174.25 @ - 174.35 ~ 10cm
				LOCALLY SILICEOUS? (174.35m)		- LOC VW PATCHY (<5%)	DISSEM.	LITHO: BCD # 6390
				NOTE SILICEOUS TUFF / CHERT		1x1cm BALLS	STR TYPICALLY DISCONT	174.25 - 174.35 5-8% PY
				LAYER @ 174.25-174.35m		- W-M QTZ ± PY VEINS	- LENSES RUDELY CONNECTED	
				POSS LAYERING 65°		1-5mm THICK	C/A 70-80°, 1-5 mm	
							THICKNESS: ±QTZ @	
							173.50, 173.60, 174.45, 174.50	
							174.55, 174.60	
				175.00 - 175.15 m: [illegible]		- [illegible] W [illegible] EP	5-8% F.G. DISS PY	
				AND CX TUFF [illegible] BED		- TR CHL		
				15-20% <1-2mm FP PHENOS.				
				175.15 - 175.80: F. AND TUFF,		- W CHL	5-8% FG DISS PY	
				MINOR F. CX TUFF		- TR SEL EP		

- LOC VW PATCHY EP

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				175.80 – 176.20: AND CX	FOLN	– VW CHL	8-10% F-MG DISS PY,	
				TUFF BED (?) SIM TO	30°	– VW-W EP	MINOR BLEBS	
				ABOVE.				
				176.20 – 179.35m: AND F	LAYERING	– VW-W CHL	5-8% PY F-MG MAINLY	
				CX TUFF / F TUFF	?80°	– VW-W SEL EP	AS DISSEM, ALSO AS	
				INTERLAYERED BEDS		– LOC EP-QTZ ± PY	BLEBS 2x2mm & PASS 1	
				3-30cm (?)		VEINS 176.65 – 176.90	STR, 90° C/A, 3mm	
							DISCON LENSES.	
				179.35 – 182.70m: F AND	FOLN	– VW-W CHL ± SER	2-12% PY, AVE 5-8%	LITHO: BCD # 6388
				TUFF, MINOR F. CX TUFF	70°	– V-M LOC STRONG	PY AS DISSEM + STR	182.00 – 185.00
				LOCALLY MOD LAMINATED.		QTZ VEINS, BREC	ie) 179.70; 10cm, QTZ-PY-EP, C/A 80	
				POSS AND-DAC LOCALLY	LAYERING	5mm – 5cm THICK	181.40; 5mm, QTZ-PY, C/A 20°	
					60°?	MILKY WH – LT GREY	182.15; 5cm, QTZ-CHL-PY, C/A E	
						MAINLY // FOLN	182.30; 3cm, QTZ-CHL-PY, C/A 60°	
							182.45; 3cm, QTZ-PY-CHL, C/A 8°	
				182.70 – 186.00: F. CX TUFF/	FOLN	– VW-W CHL, LOC M-S	3-8% PY, AVE 5-8%	
				F AND TUFF, REL	70°	@ 185.50 – 185.80	DISS PY, LOC FG	
				HOMOGENEOUS, LOCALLY		– TR EP	STR PY / BLEBBY PY.	
				ULTRA FINE TUFFS.		– W QTZ VEINS 5mm –	NOTE STR @ 184.90 C/A 45°	
						3cm C PY, NOTE	185.10 C/A 40°, 185.40 C/A 80°	

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F.G. BLACKISH, MILLED? PY.
C/A 40-90°

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				186.00 – 186.50: MINOR FAULT	GOUGE	– W-VW, CHL/SER	3-8% PY DISS TH-O	FRAGMENT APPEAR TO HAVE
				BX? HAS GOUGE IN	45°	– S BLEACHED	MX OF BX + AS	BEEN ROTATED AS SUGGESTED
				CENTRE OF POSS FAULT (1cm)		– LOC SILICIFIED?	IRREG WISPY FG STR	BY CONC ON SUBA-SUBR
							C F-MG PY DISS TH-O	FRAGS PROXIMAL to GOUGE.
				NOTE 25% MILLED-UP SUBA-SUBR			VFG BLK ISH LOOKING PY	
				FRAGMENTS, FRAGMENTS 2mm-				
				3cm, AVE 3-8mm. FELSIC				
				LOOKING FRAGS POSS QTZ OR				
				BLEACHED AND (?)				
				MX IS SILICEOUS, QTZ (?)				
				186.50 – 187.00: AND- DAC	FOLN	– VW-W CHL ± SER	5-8% PY FG DISSm	
				F TUFF, W-M FOLIATED	65°			
187.00 TO	~~SILICIFIED~~	LT-M	F-VF	VW-W FOLIATED, MOD-POORLY	FOLN	– TR-W SER/CHL	3-8% PY DISSm, AVE 3-5%	~~LITHOLOGICAL DEF~~
193.85 M	~~AND TUFF~~	GREY		LAMINATED (?). OR APPARENTLY	~60°	– SEMI-PERVASIVE	PY	
	~~OR~~ MOTTLED	C		BANDED (VEINING). ~~SILICIFIED~~		SILICIFICATION, NOTE		
	DAC/RHYODAC	GREENISH		~~AND TUFF, OR~~ DAC F. TUFF.	BANDS	MOTTLED LOOK & BANDED		NOTE DISTINCT LAYERING
	TUFF	TINGE		INTERVAL HAS BANDED	60-70°	TEX.		NEAR TOP OF INTERVAL.
				LOOKING & MASSIVE LOOKING				
				SECTIONS.				
				187.00 – 191.30: BANDED SILF		– VW SER ± CHL	3-8% PY DISS, LOC STR	
				AND T OR DAC F. TUFF C		– TR EP	C QTZ @ 188.50 C/A 30°	
				2% <1mm QTZ EYES LOCALLY.		– S QTZ (?) BANDED 1-4mm	3cm	
				POSS BANDS REPRESENT SILICEOUS TUFF.				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				191.30 – 193.85: MASSIVE,	FOL^N	– TR CHL/SER	3-5% PY DISS FG PY ↓ +	NOTE POSS 2-3% QTZ
				MOTTLED LOOKING M – LT GREY	65°?	– PERV. SILICFN (?)	LOC DISCONT STR (SHEARED)	EYES, BUT VAGUE,
				~~SILCF AND T.~~ OR DAC-RHYODAC F.			ie) 191.90$_m$; 3mm, PY-QTZ-CHL	TEND TO BELIEVE THIS
				TUFF SIM TO ABOVE.	CRUDE BANDS		c/a 70°	IS A SILICIFIED UNIT BUT
					60-70°			POSS DAC-AND COMP^N
								LITHO: BCJ # 6389
								191.50 – 193.85$_m$

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ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate Cu	Estimate Zn	Length (m)	% Cu	% Zn	% Pb	gm/T Ag	gm/T Au	% SiO_2	% TiO_2	% Na_2O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au	ppm As	ppm Sb	ppm Ba
6358	31.62	31.75	.25	–	0.13						50.27	0.42	2.09	5.07	17.86	272	127	4	1.1	10	20	21	370
6359	33.58	33.83	.25	–	0.25						56.56	0.47	3.38	6.24	12.10	1974	155	18	1.4	10	18	7	520
6360	53.70	54.30	<1.0	–	0.60						57.99	0.44	1.14	4.77	15.26	1054	63	11	1.4	20	17	15	1870
6361	75.33	75.48	<1.0	–	0.15						59.49	0.45	2.65	4.53	13.68	1492	55	11	1.0	5	9	12	870
6362	91.75	91.95	<1.0	–	0.20						75.29	0.17	0.08	1.67	12.90	163	26	15	0.7	10	1	16	700

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LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	FeO	MnO	TiO_2	Ba ppm	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Sr %	Min As ppm	Grid Sb ppm	Total
6376	13.00	16.00	55.84	16.76	4.03	7.08	2.56	0.73	9.82	0.52	0.64	.060	80	111	20	0.3	5	.02	.005	1	4	98.07
and cx t.			w-m chl, 1-2% PY																			
6377	29.00	32.00	55.13	19.12	1.09	6.69	4.96	1.02	8.71	0.46	0.63	.092	104	213	25	0.5	10	.02	.005	34	1	97.92
and tuff			s-m chl, 3-5% PY																			
6378	32.00	35.00	55.18	16.96	2.98	7.88	2.66	0.74	10.16	0.60	0.62	.070	427	191	16	0.9	5	.02	.005	29	5	97.86
and tuff/cx t.			s-m chl, 3-5% PY																			
6379	36.00	37.00	70.94	14.67	1.00	1.99	2.25	2.94	3.65	0.13	0.32	.221	9	34	6	0.1	5	.02	.005	2	1	98.13
dac t/cx t.			m-w ser, 3-8% PY																			
6380	51.00	54.00	58.09	16.38	3.43	5.94	3.08	1.20	8.38	0.29	0.97	.126	42	67	7	0.7	5	.02	.006	33	2	97.93
and-dac t/cx t			m-w chl, 5% PY																			
6381	54.90	58.60	73.21	14.44	0.36	1.71	3.13	2.58	2.27	0.09	0.17	.115	25	23	3	0.1	5	.01	.005	4	1	98.08
Hyodac f. cx t.			vw ser, 3-5% PY																			
6382	70.10	71.80	76.06	12.82	0.74	0.88	1.74	3.00	2.27	0.03	0.19	.366	12	6	4	0.2	5	.01	.005	2	1	98.11
siliceous exhalite			tr ser, 2-5% PY																			
6383	86.50	89.50	57.65	16.78	1.92	6.62	2.82	1.35	9.60	0.36	0.63	.160	101	75	24	0.8	5	.02	.005	23	1	97.91
and t/cx t.			m-s chl, wep, 3-5% PY																			
6384	110.00	113.00	57.67	16.57	1.69	6.12	3.36	1.07	10.51	0.32	0.62	.097	8	57	4	1.0	5	.02	.005	32	3	98.05
and cx t/t.			w-m chl, 5-8% PY																			
6385	125.00	128.00	48.83	15.62	10.99	6.05	1.20	0.01	12.70	0.30	1.86	.005	180	37	4	1.5	10	.04	.009	25	2	97.61
diorite, fpp			w chl, nvs																			

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LITHOGEOCHEMISTRY

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES SiO_2	Al_2O_3	CaO	MgO	Na_2O	K_2O	FeO	MnO	TiO_2	~~P_2O_5~~ Ba	TRACE ELEMENTS ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock ~~Type~~	~~Au~~ Zr %	~~Mn~~ As ppm	~~Grid~~ Sb ppm	Total
6386	149.50	152.50	61.94	16.27	2.40	4.21	4.06	1.14	7.09	0.25	0.51	.088	5	40	18	0.6	5	.02	.005	11	3	97.96
and cxt./t.			vw-w chl, 3-5% py																			
6387	169.00	172.00	70.36	14.78	0.75	1.65	5.67	0.97	3.52	0.08	0.32	.071	8	15	5	0.6	5	.02	.005	11	1	98.19
dac t.			tr ser, silicif(?), 5-8% py																			
6390	174.25	174.35	~~71.06~~	13.22	~~0.85~~	2.36	3.50	~~1.44~~	5.01	~~0.09~~	0.30	.138	8	20	8	0.6	5	.02	.005	12	2	97.99
siliceous tuff			nil/silicif, 5-8% py																			
6388	182.00	185.00	~~57.27~~	16.74	1.47	6.66	4.23	0.45	10.11	0.29	0.65	.029	56	50	10	0.9	5	.01	.005	21	1	97.93
and f. ~~ax~~ t./t.			vw-w chl ± ser, 5-8% py																			
6389	191.50	193.85	70.29	14.24	1.13	2.51	5.89	0.38	3.25	0.08	0.34	.022	13	17	9	0.5	5	.02	.005	9	1	98.16
dac f t(?)			silicif(?), 3-5%																			

Sr %

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CM-2
Sampling

173.2 - 174.9

179.3 - 180.1

182.0 - 182.7

185 - 187 or somewhere in there.

February 1989 Relog of CM-2 PTB

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0-7.32	Overburden							
7.32-26.3	Andesite Crystal Tuff <AndT FP>			Abundant (up to 25%) 1-2mm fairly fresh fsp. in a finer ~~ground~~ massive unit. Occassional finer grained ashier & less crystal rich zones		weakly chloritic very weak epidote alteration of fsp crystals <Vw chl, ep>	<1% py	
26.3-36.0	Andesitic Ash <AndA>	dark green	fgr	very weakly foliated fine laminations and very thin beds marked by grain size, color, pyrite content (bedded py) rare chert horizons. Occassional courser grained fsp phyric crystal Tuffs.	bedding measurements: 26.3 35° 30.0 20° 30.8 20-30° 33.8 45° 34.0 45° 36.0 40°	weakly chloritic <w chl>	5% very fine syngenetic bedded pyrite. <5% py>	May be responsible for IP anomaly
36.0-38.0	Felsic Tuff <FT>	light grey	fgr					
38.0-47.0	Andesitic to Basaltic Flow Breccia, Tuff Breccia? Mbr, MLT	Dark green	Coarse fragmental	Predominantly dark green rounded matic fragments. Occassional large QFP siliceous Felsic Fragments- 5-10% <1-1mm weakly epidotized fsp-		w chl w ep	<1% py	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
47.0 54.8	And-matic Tuff, Ash. <MT, MA>	dk Green	fgr	massive to V. weakly foliated top of unit minor 1cm thin felsic/cht fragments showing weak alignment = foliation? rest of unit fairly homogeneous fine speckled appearance		wchl	3-4% very fine diss pyrite	
						53.3-54.3 qtz veining some almost looks cherty.	5% pyrite. tr cpy.	
54.8 - 59.95	Felsic Flow <FF>	light grey	fgr	Massive siliceous appearance up to 3-4% 2mm qe		VW Ser,	tr py	
59.95 - 69.9	And-matic Tuff/Ash flow? <MT>	dk green	fgr	Massive Occassional weakly epidotized fsp.		<w chl, w ep>	1-3% v.f. pyrite	
				65.6 - 66.3 Dior 66.9 - 67.4 Dior 67.7 - 68.2 Felsic Lapilli Tuff Felsic Lithic Fragments				
69.9 - 72.0	qtz vn or qtz flooding w/ int	creamy white		Pervasive quartz flooding or large vein w/in host rock.			69.9 - 72.0 <1% py. 69.9 - 70.35 10% pyrite stringers.	
72.0 - 117.4	Andesitic Crystal Tuff <AndTFP>	dark green	fgr-mgr	massive. Fsp ms-m epidotized fsp crystals up to 15-20%		<w chl, w-m ep>		

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Some crystal rich & crystal poor zones NO bedding found. Rare epidote balls.

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				86.5 – 94.5 Fragmental Zone. <1cm grey felsic fragments rare Blocks of QP felsic Flow (angular 2¢) Mixing of Felsic + And material.	Rare And fragments		2-4% diss py	
				100.0 – 117.4 <1cm felsic fragments Patchy mod foliated ash zones				
117.4 – 119.5	Fault Zone <Fault>			Gougy core distorted foliations				
119.5 – 120.4	<Dior>							
120.4 – 124.9	Int-And Tuff. <AndT>			massive. <1% ← <0.5cm felsic frags Weakly fsp phyric 122.3 – 123.7 mafic Dyke		W chl		
124.9 – 130.1	<Dior>				upper contact 70°			
130.1 – 140.1	Matic Dyke. <M Dyke>			fgr. sheared appearance	140.1 65° contact.	pervasive calcite -		

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
140.1 - 168.1	Andesitic Tuff Andesitic-Mafic Flow?? <And-MT, F>	dk green	fgr	Massive Generally aphyric, patchy fsp phyric, rare epidotized clasts/fragments. 152.5 - 162.5 occassional epidotized clasts/fragments Patchy fsp phyric. 162.5 - 168.1 finer grained more abundant epidotized clasts occassionally fsp phyric. 162.55 - 168.1 possible flow?		w Chl 151.4 - 151.75 Qtz veining +166.5 - 168.1 < strongly chloritic >	141.4 - 141.8 pyrite stringers up to 25-30% brassy pyrite 151.4 - 151.75 locally 5% magnetite 2% py tr sphalerite? 3% py, tr cPy.	Massive Homogenous Nature to unit Could be Flow?
168.1 - 173.2	Felsic Flow <FF>	light grey	fgr.	Massive, aphyric, pervasive silicified appearance & pseudo fragmental look.	@ 173.2 55°	w Ser, M Sil	<1 - 1% py	
173.2 - 187.0	Mafic Flow, Flow Breccia <Mpbr>			massive, fairly homogeneous occassional zone w/ faint mafic fragments Patchy finer grained foliated chloritic material from 173.2 - 174.9 = pillow selvages? 179.3 - 180.1 possible pillow selvages fgr. str Chl, 5% pyrite w-m foliated.		Patchy m-str chl.	173.2 - 174.9 2-3% py tr cPy 179.3 - 180.1	

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
						182.0 - 182.7 qtz veining	5-7% py	
				183 - 187.0 occassional felsic fragments. also getting v. dark wispy fine py/aryl/clay possibly as interfragmental material.				
187.0 - EOH	Felsic Tuff <FT, FLT>			187 - 191.5 weakly foliated, crudely banded, very weak pseudobrecciated look		w ser	<1% py	
				191.5 - EOH Fel lapilliTuff. Massive, indistinct boundaries to creamy white frags		pervasive mod silicification.	<1% py	

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